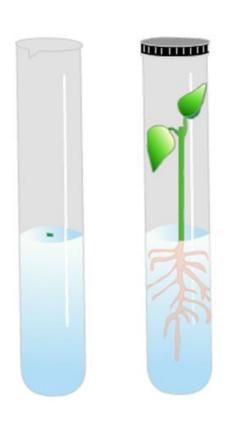
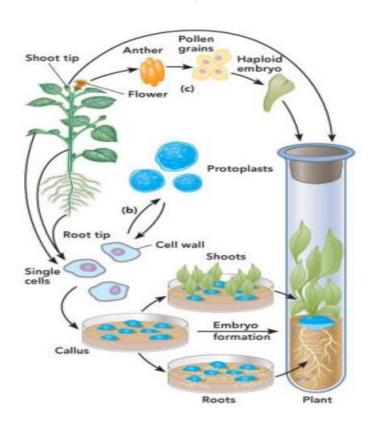


Prof. Dr. Omar Sabry

- In vitro aseptic cultivation of Isolated plant organs or cells (root tips, shoot tips, leaves, embryos, cells on a nutrient medium).





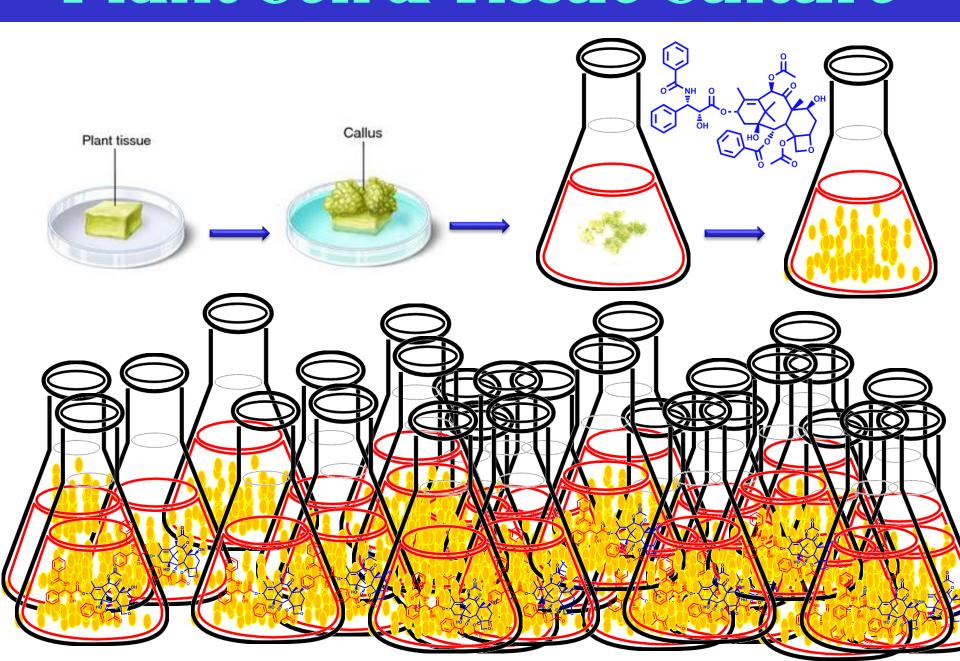


□ Development of commercial production of expensive bio-medicaments (Taxol).

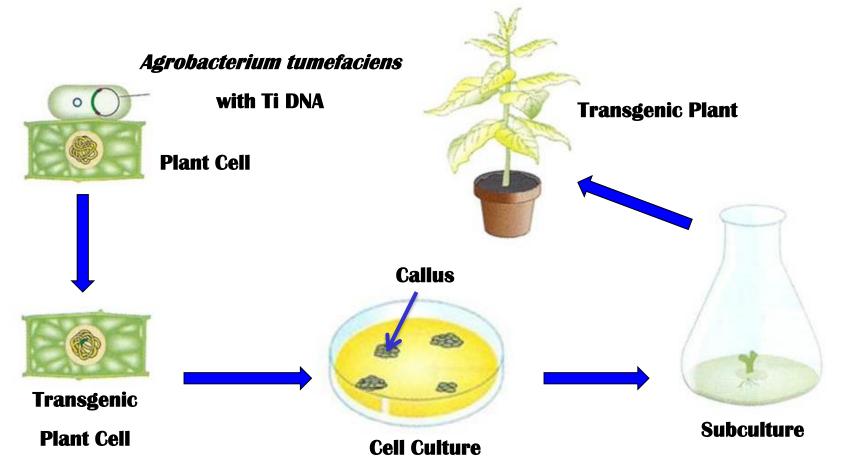
☐ Anti-cancer from Taxus brevifolia.



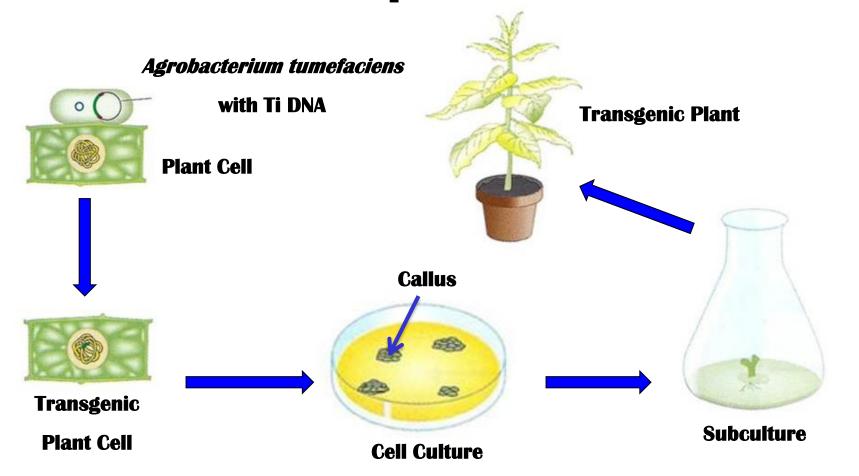
- □ 100 years old tree suitable for stem bark
- $\square$  3 mature trees = 1 gm of Taxol.
- **□2** gm Taxol for Cancer treatment.



☐ Improvement of medicinal plants by genetic engineering e.g. *Atropa belladonna* gives atropine and morphine.



☐ Improvement of medicinal plants by genetic engineering e.g. Insects resistant and microbes resistant plants.



#### (A) Washing area

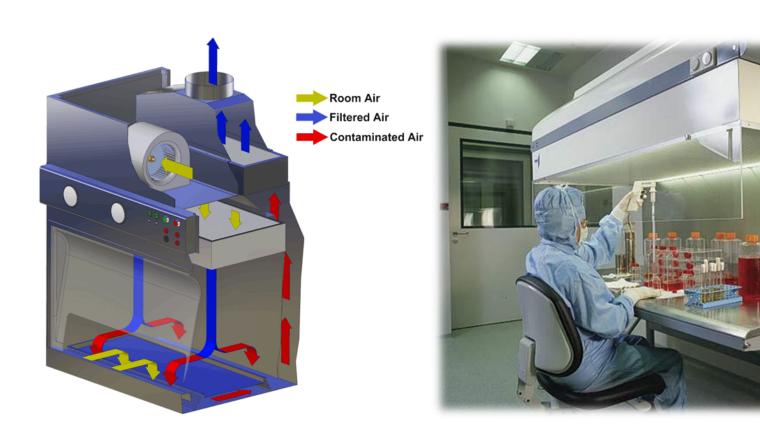


#### (B) Media preparation room





# (C) Transfer Area Laminar air - flow cabinets



#### (D) Culture room

